FIGURE 1A

OR

FIGURE 1B

FIGURE 1C

FIGURE 2A
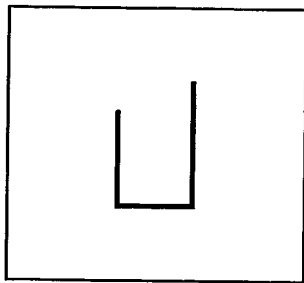

OR
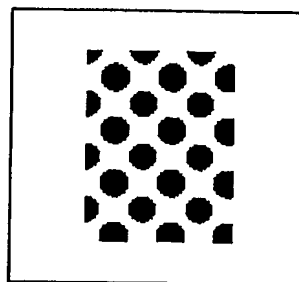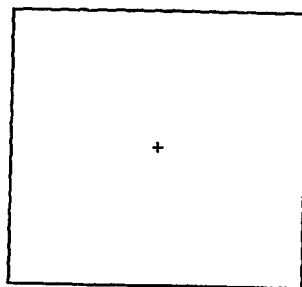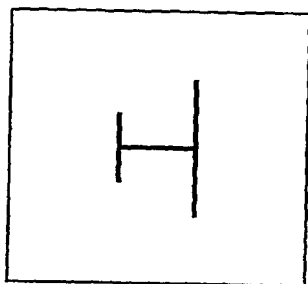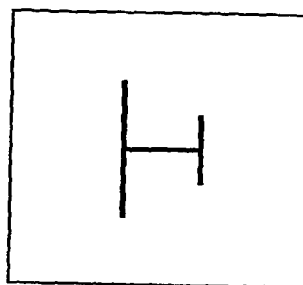
FIGURE 2B
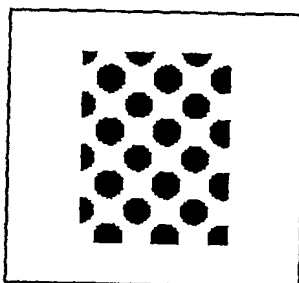
FIGURE 2C
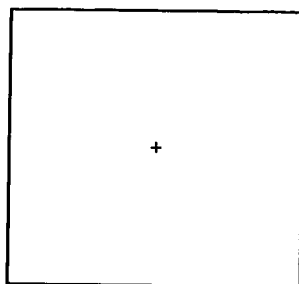
FIGURE 3A
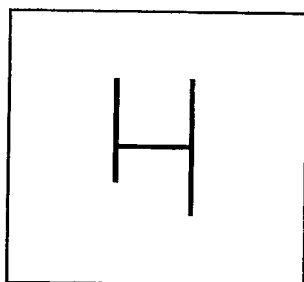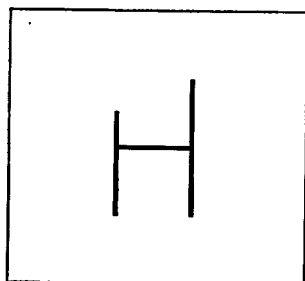
OR
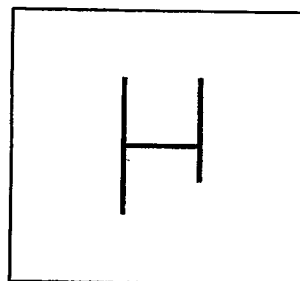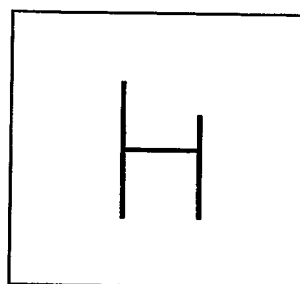
FIGURE 3B
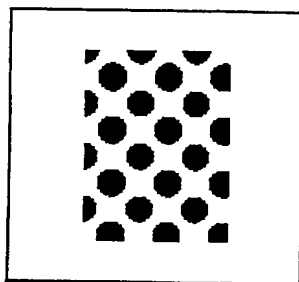
FIGURE 3C

FIGURE 4A

OR
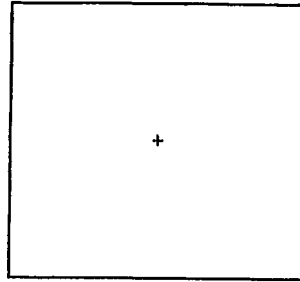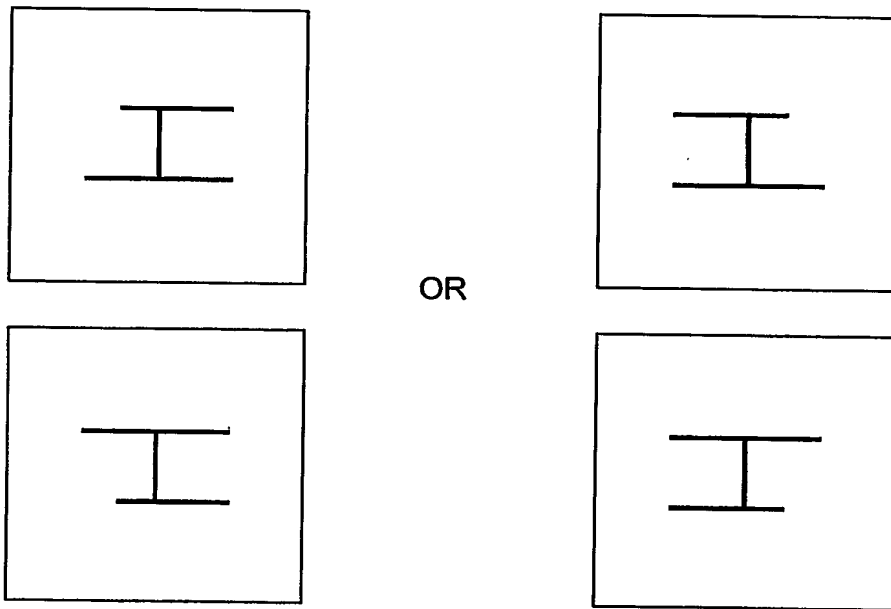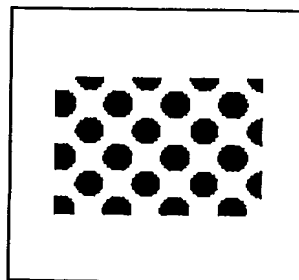
FIGURE 4B

FIGURE 4C
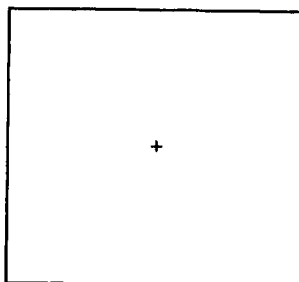
FIGURE 5A
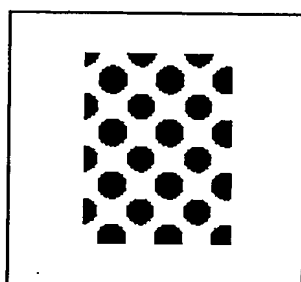
FIGURE 5C
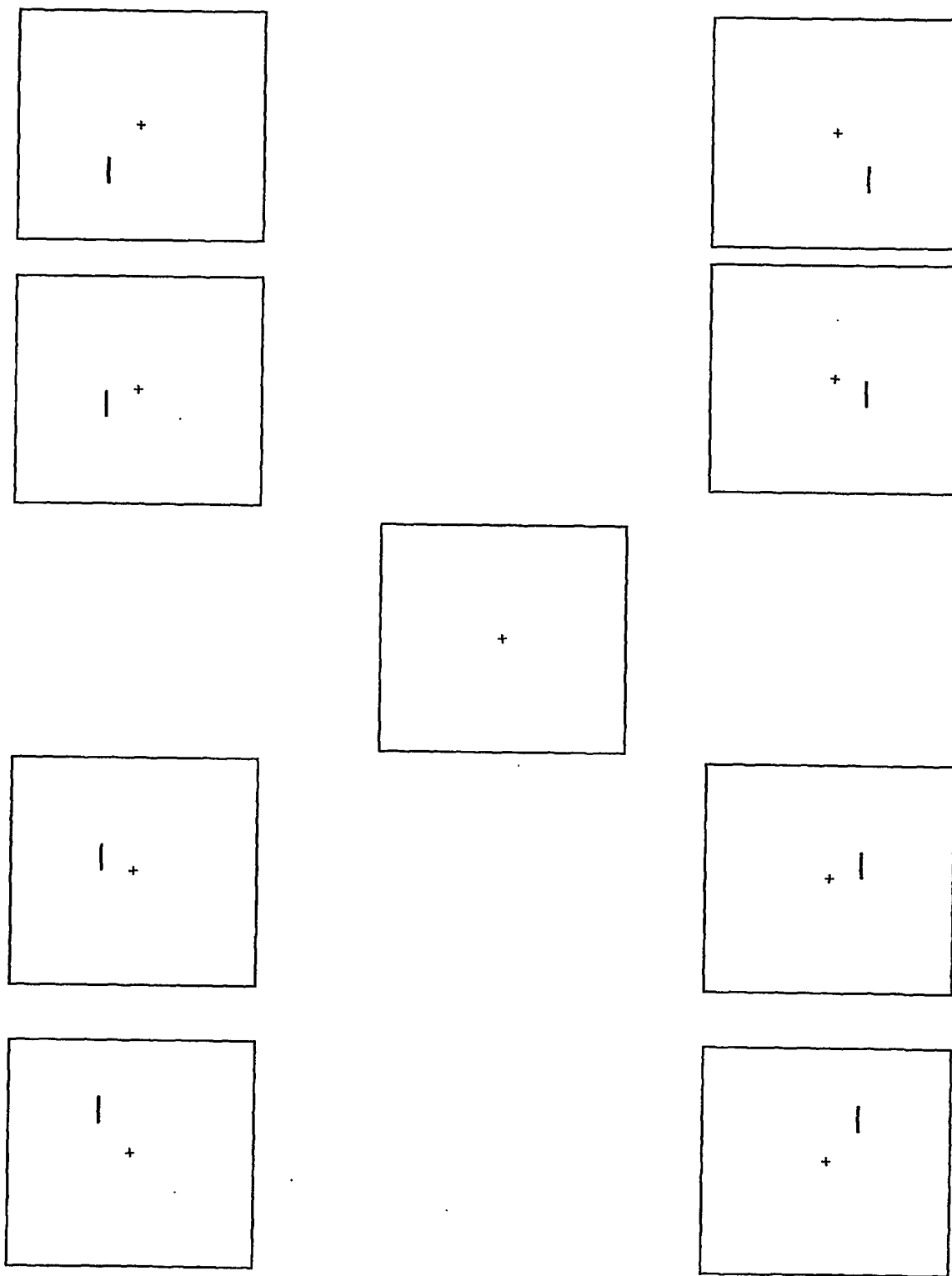
FIGURE 5B
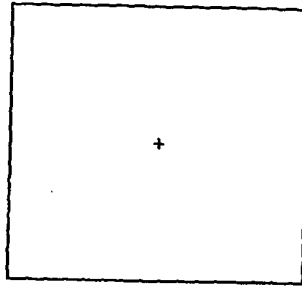
FIGURE 6A

FIGURE 6C

FIGURE 6B

Error rate as a function of MMSE

FIGURE 7A

Errors as a function of MMSE
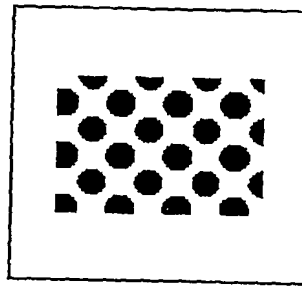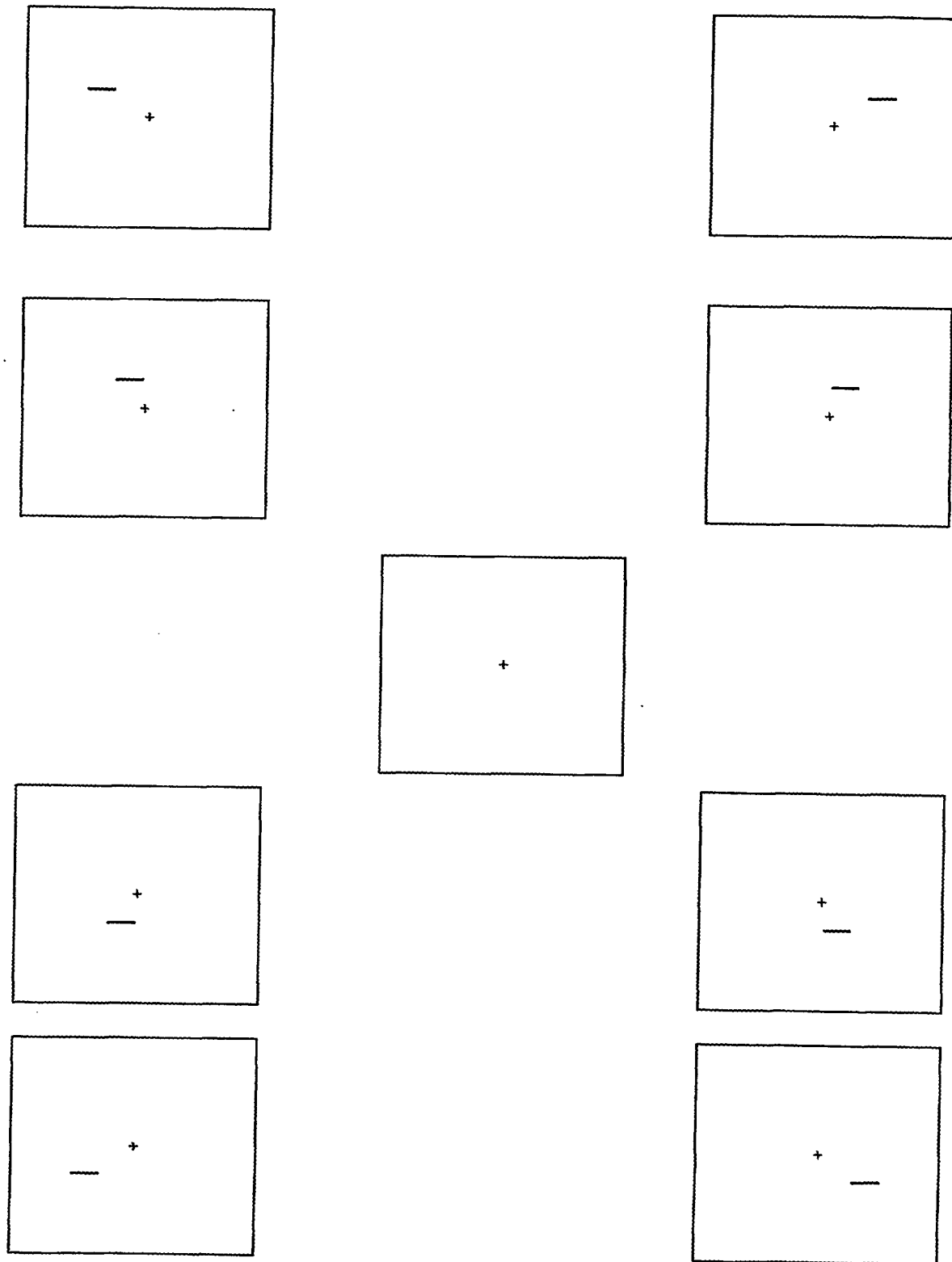
FIGURE 7B
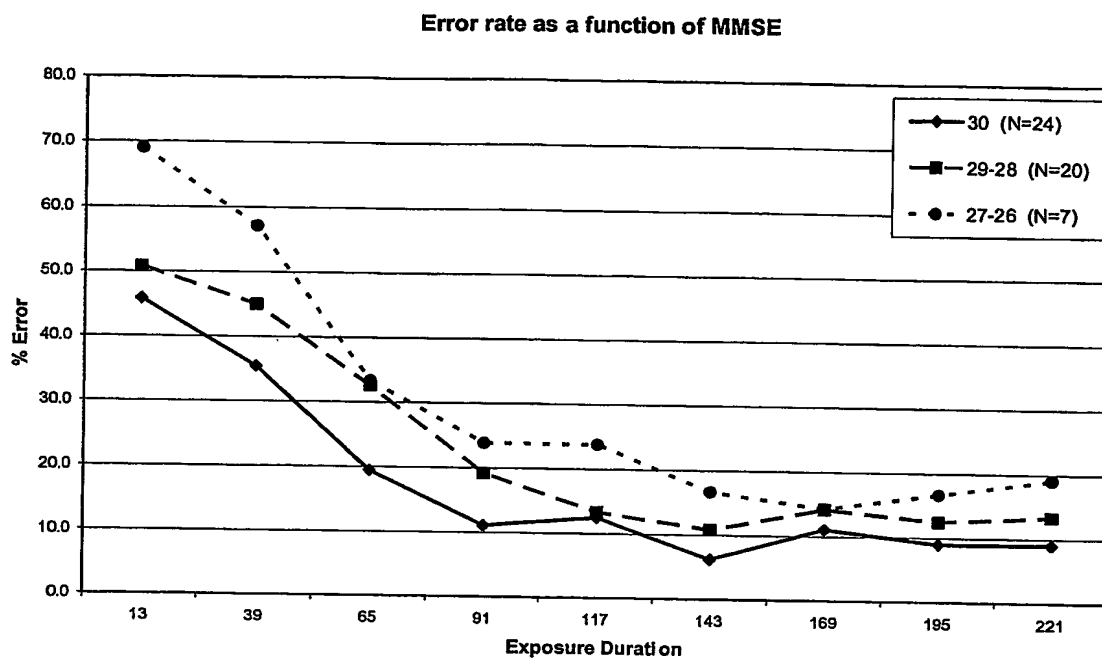
Response Time as a function of MMSE
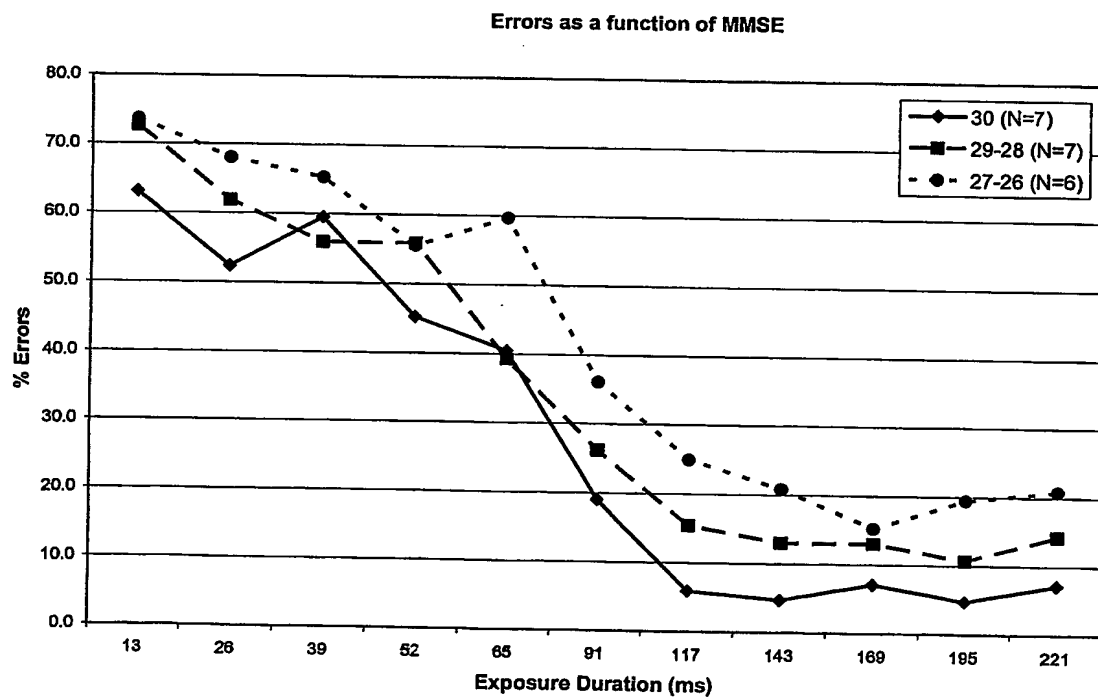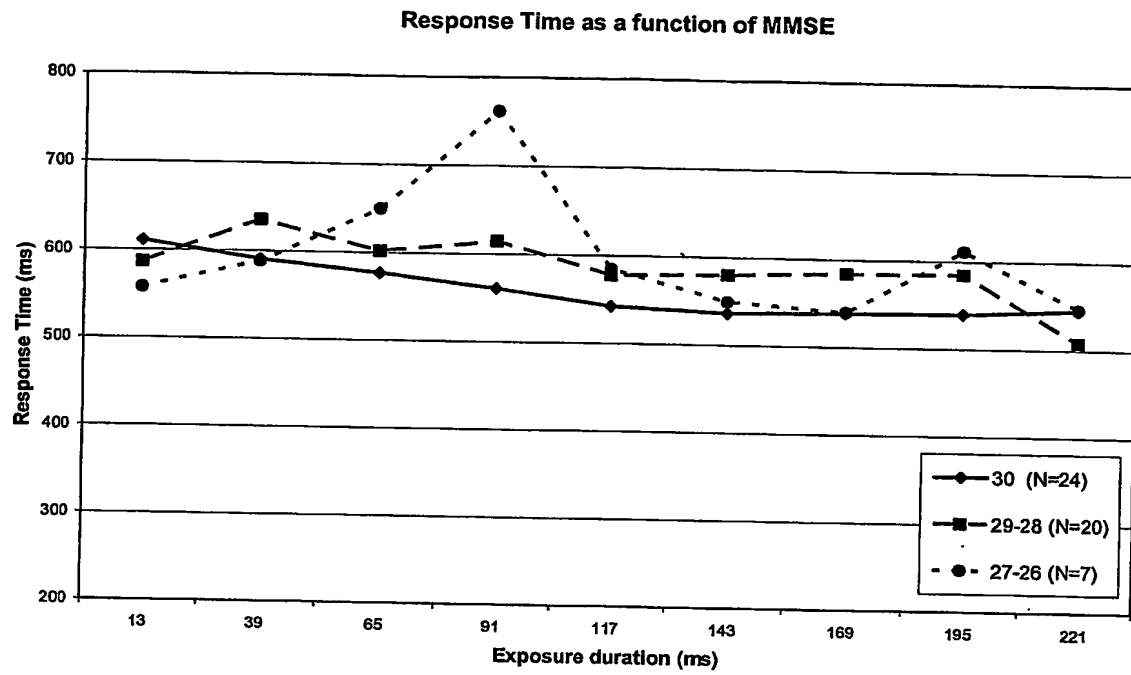
FIGURE 8

% Errors as a function of HDS
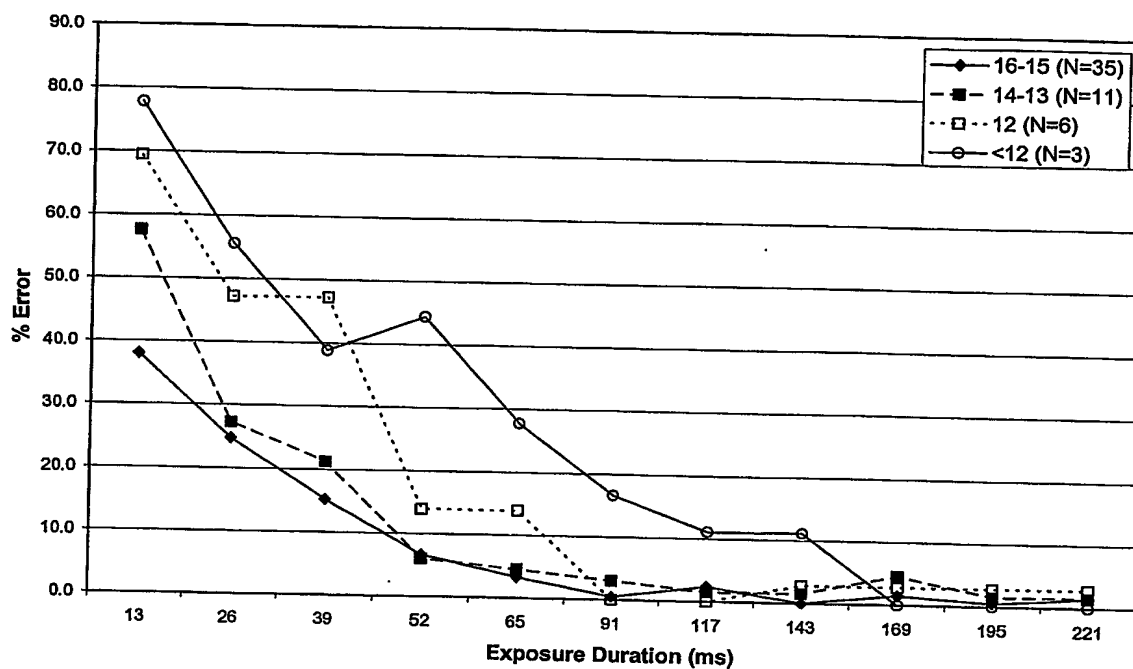
FIGURE 9A

Response Time (ms) as a function of HDS

FIGURE 9B

% Error as a function of sleep condition

FIGURE 10A

Response Time as a function of sleep condition
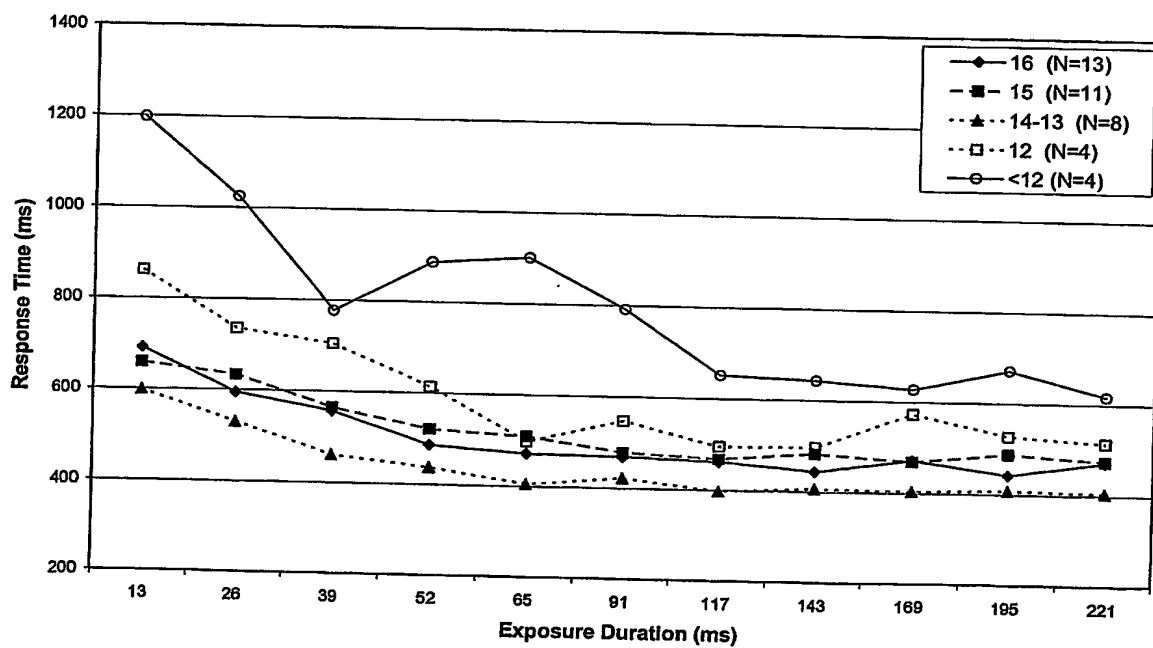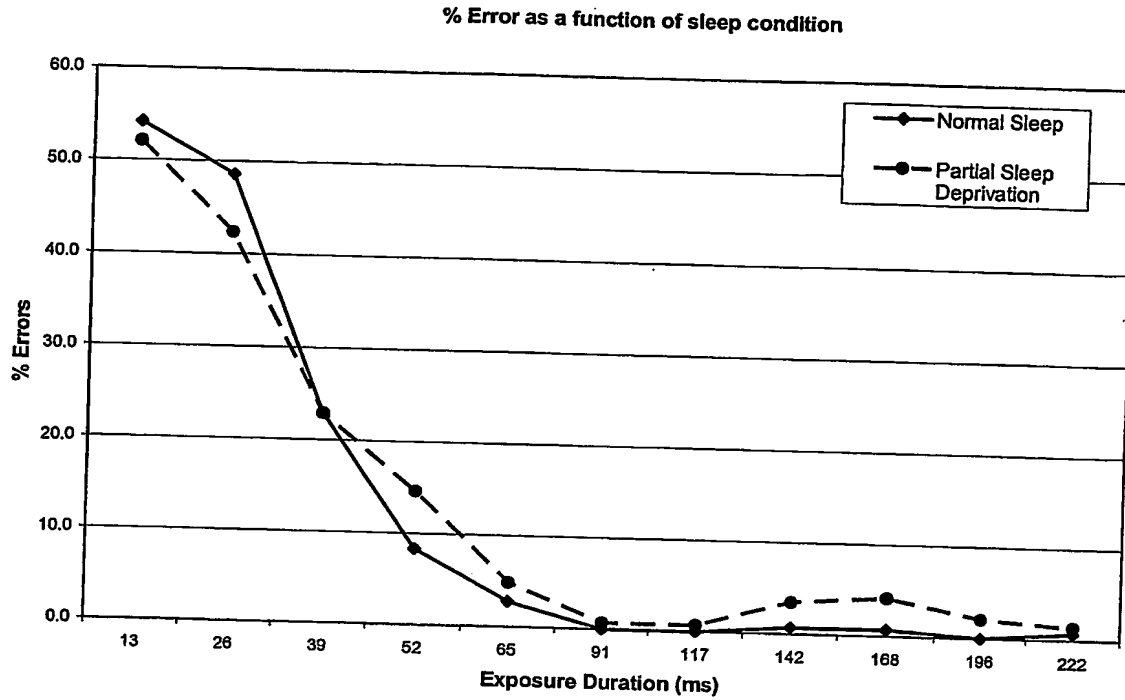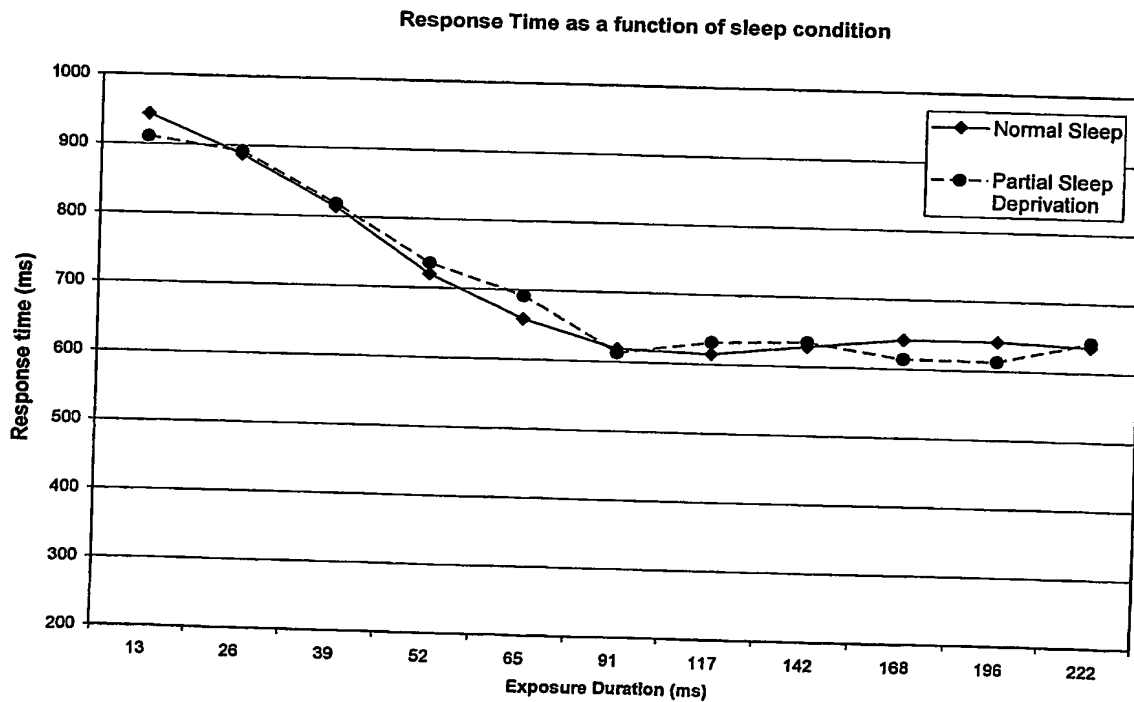
FIGURE 10B

Data Type	Inter-Trial Correlations								
	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	MEAN
% Error	.924	.783	.959	.982	.939	.950	.897	816	.906
RT	.975	.984	.987	.971	.987	.975	.987	.974	.980

Table 1

TEST TYPE	EXPOSURE DURATION										
	13.0	26.0	39.0	52.0	65.0	91.0	117.0	143.0	169.0	195.0	221.0
NART Full Score IQ	-0.278	-0.228	-0.216	-0.121	-0.250	-0.145	-0.136	-0.067	0.239	0.098	-0.042
NART Verbal IQ	-0.277	-0.230	-0.212	-0.122	-0.251	-0.145	-0.136	-0.067	0.239	0.098	-0.043
NART Performance IQ	-0.280	-0.231	-0.218	-0.121	-0.251	-0.145	-0.136	-0.067	0.238	0.097	-0.043
Beck Depression Inventory	0.136	0.141	-0.039	-0.016	-0.010	-0.021	0.077	0.055	0.112	0.142	0.141

Table 2A Error Rate (N=42)

TEST TYPE	EXPOSURE DURATION										
	13.0	26.0	39.0	52.0	65.0	91.0	117.0	143.0	169.0	195.0	221.0
NART Full Score IQ	-0.232	-0.201	-0.061	-0.244	-0.367	-0.257	-0.257	-0.314	-0.215	-0.389	-0.235
NART Verbal IQ	-0.232	-0.200	-0.061	-0.244	-0.368	-0.257	-0.257	-0.314	-0.215	-0.389	-0.235
NART Performance IQ	-0.232	-0.200	-0.061	-0.244	-0.368	-0.257	-0.257	-0.314	-0.215	-0.389	-0.235
Beck Depression Inventory	0.174	0.146	0.273	0.090	0.146	0.118	0.227	0.157	0.165	0.191	0.195

Table 2B Response Time (N=22)

TEST TYPE	EXPOSURE DURATION										
	13.0	26.0	39.0	52.0	65.0	91.0	117.0	143.0	169.0	195.0	221.0
Mini Mental State Examination (N=55)	-0.322		-0.405		-0.393	-0.361	-0.380	-0.457	-0.292	-0.287	-0.396
HIV Dementia Scale (N=42)	-0.708	-0.510	-0.593	-0.446	-0.422	-0.328	-0.307	-0.342			
Grooved Pegboard Dominant Hand (N=42)	0.317		0.412	0.616	0.536	0.575	0.622	0.352			
Grooved Pegboard Nondominant Hand (N=42)	0.403		0.531	0.588	0.568	0.517	0.572	0.320			
IED Total Errors	-0.345		-0.484								
IED Adjusted Errors			-0.339								
Simple RT (msec)				0.487	0.789	0.539	0.437	0.336			
Choice RT		-0.378		-0.473	-0.583	-0.360					
SOC Subsequent Thinking Time		-0.327	-0.437	-0.490	-0.440	-0.460	-0.376	-0.513			
SOC Problems Solved in Min Moves	-0.335	-0.456	-0.382		-0.354						
SWM Between Errors		-0.352	-0.373	-0.450	-0.542						-0.317

CANTAB (N=42)

Table 3A (a) Error Rate

TEST TYPE	EXPOSURE DURATION										
	13.0	26.0	39.0	52.0	65.0	91.0	117.0	143.0	169.0	195.0	221.0
Mini Mental State Examination (N=55)	-0.500	-0.515				-0.339					
HIV Dementia Scale (N=22)				-0.492		-0.434					
Grooved Pegboard Dominant Hand (N=22)	0.406			0.558	0.628	0.554	0.451	0.440			
Grooved Pegboard Nondominant Hand (N=22)	0.505	0.472		0.581	0.589	0.582	0.447	0.420			
CANTAB (N=22) — IED Total Errors		-0.445	-0.585	-0.418					-0.460		
IED Adjusted Errors		-0.464	-0.486	-0.472	-0.409	-0.463	-0.436	-0.452	-0.498	-0.559	-0.495
Simple RT (msec)	0.683	0.588	0.486	0.643	0.695	0.643	0.700	0.649	0.583	0.681	0.560
Choice RT	-0.418	-0.463		-0.462	-0.477	-0.444	-0.432	-0.431		-0.456	-0.400
SOC Subsequent Thinking Time	-0.751	-0.497	-0.401	-0.624	-0.691	-0.656	-0.603	-0.550	-0.415	-0.547	
SOC Problems Solved in Min Moves	-0.440	-0.472	-0.402	-0.473	-0.503	-0.536	-0.554	-0.524	-0.536	-0.596	-0.506
SWM Between Errors		-0.401	-0.407		-0.479	-0.477	-0.562	-0.542	-0.493	-0.548	-0.602

Table 3B - Response Time